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RECONSTRUCTION FINANCE CORPORATION

MINING SECTION

REPORT OF SUPERVISING ENGINEER

Docket No. ND-8353 - - - West End Mining Co.
Date authorization for examination
received . . . June 4, 1943
Date of Examination . . . . . June 12,1943
Date of Report . . . . . June 25,1943

(1) NAME AND ADDRESS OF APPLICANT

West End Mining Co.
P. O. Box 203
Ray, Arizona

Correspondent:

John C. Ballard
1921-1/2 Maple Avenue
Los Angeles, California

(2) CHARACTER OF PROJECT

Development of zinc deposit

(3) LOCATION OF MINE

The mine is located in the Banner Mining District, Gila County, Arizona. The portal of the working tunnel is approximately 150' above the Gila River on its steep north canyon wall. The railroad between Hayden and Christmas passes about 50' below the workings. The smelter at Hayden is approximately 7 miles by road or rail from the mine. Traffic on this branch line of the Railroad is not heavy and it is said that cars can be spotted and loaded directly below the mine. Since the ore is predominantly zinc of moderate grade, it would be necessary to send it to a concentrator, probably to Bisbee. The mine is accessible at all seasons.

(4) APPLICANT

The applicant is a company composed of 3 partners. Mr. John C. Ballard, who acts as manager of the company is a man about 45 years of age. He has spent a good many years in service in the Navy. A short time ago he returned from work on the Alaskan Highway where he was engaged in mechanical work on road equipment. He has worked intermittently in many mining camps and appears to have been connected with a number of small scale mine promotions. He has no technical mining knowledge. Mr. J. C. Hinds is a middle-aged man who is cashier in a large drug store in Los Angeles. He has had no mining experience. Mr. C. Ted Phillips is an elderly man who has spent most of his adult life in prospecting and in practical mining work in Arizona.

The group was until recently interested in a gold mine development in Yuma County, Arizona.

The company holds the subject property under a 5 year lease from the owners. The property is owned by three parties two of whom are sons of Mr. C. Ted Phillips, a partner in the applicant company. A copy of the lease agreement accompanies the application.

(5) LOAN REQUESTED

$5,000.00

(6) DESCRIPTION OF PROJECT

A. General Features

(1) There are no mine workings, mill or other appurtenances which are not confined within applicant's ownership.

(2) The project would comply with State-compensation and Safety-first Statutes.

(3) There are no apparent legal discrepancies in the project.

(4) There are no impeded right-of-way facilities.

(5) There is no likelihood of surface or sub-surface trespass.

B. Existing Development

(1) Mine is opened by tunnel.

a. The accompanying sketch was made from tape and compass survey.

b. Samples were cut with pick and moil and gathered on canvas.

c. The workings were readily accessible and in good condition.

d. General features of Deposit.

The topography of the region is extremely rugged and the mine is located on a steep canyon wall of the Gila River. The vein occurs as a thin fissure in diabase and can be traced by its iron stained croppings for a considerable distance up the steep mountain slope.

The property has not shipped any ore and the only work which has been done upon it consists of a tunnel driven on the vein in a westerly direction into the wall of the canyon. The

vein in the tunnel varies from a mere seam to a maximum width of 6" or 7". The principal ore mineral is sphalerite which is accompanied by pyrite and small amounts of chalcopyrite and galena.

The mineralization is irregular and at the portal and for 30' into the tunnel is completely oxidized. At 40' from the portal, a 1" width of sphalerite is present and from this point to the face the occasional mineralization is predominantly sulphide. The vein in the face of the tunnel is 7" wide and contains a few thin seams of pyrite and sphalerite and values as represented by Sample No. 2 are poor.

Sample No. 3 was cut across the best part of a lens of sphalerite in the back of the tunnel. The lens is about 8' long and varies from 2 to 5" in width.

Sample No. 1 was cut across a lens of sphalerite which is exposed in a cut 2' deep and about 6' long in the floor of the tunnel. The vein directly above this point contains no mineralization and the lens represented by the sample is not over 8' long in the floor.

Sample No. 4 was taken by shovel from a small select pile of mixed oxidized and sulphide material at the portal of the tunnel. The balance of the dump is waste. There were no other showings on the property which deserved sampling.

7. COMMENTS OF SUPERVISING ENGINEER

The ore minerals occur in short, very thin lenses which are not particularly high grade and are altogether too small and irregular to be practically mined. There is no evidence on the surface or in the tunnel which would justify the belief that further development would result in the production of substantial amounts of strategic metals. A development loan is not recommended.

T. P. LANE
Supervising Engineer

Docket No. ND-8353
Date Auth. for Exam. Recd. June 4, 1943
Date of Exam. June 12, 1943
Date of Report

1. Name and Address of Applicant
Name: West End Mining Co.
Address: P.O. Box 203
Ray, Arizona

Correspondent: John C. Ballard
1921 1/2 Maple Ave.,
Los Angeles, Calif.

2. Character of Project
Development of zinc deposit

3 Location of Mine
The mine is located in the Banner Mining district, Gila County, Arizona. ~~The property lies on the steep north bank of the Gila River and the~~ portal of the working tunnel ~~is~~ is approximately 150 ~~feet~~ above the Gila river on its steep north canyon wall. The railroad between Hayden and Christmas passes ~~below~~ and about 50 feet below the workings. ~~The smelter at Hayden~~ is approximately 7 miles by road or rail from the mine. Traffic on this branch line of the railroad is not heavy and it is

said that cars can be spotted and loaded directly below the mine. Since the ore is predominantly zinc of moderate grade it would be necessary to send it to a concentrator, probably Bisbee. The mine is accessible at all seasons.

Applicant

4 The applicant is a company composed of 3 partners. Mr. John C Ballard who acts as manager of the company is a man about 45 years of age. He has spent a good many years in service in the navy. A short time ago he returned from work on the Alaskan Highway where he was engaged in mechanical work on road equipment. He has worked intermittently at many mining camps and apparently has been connected with a number of small scale mine promotions. He has no technical mining knowledge. Mr. J. C. Hinds is a middle-aged man who is cashier in a large drug store in Los Angeles. He has had no mining experience. Mr. C. Ted Phillips is an elderly man who has spent most of his adult life in prospecting and in practical mining work in Arizona.

The company holds the subject-

7 The group was until recently interested in a gold mine development in Yuma County, Ariz.

property under a 5 year lease from the owners. The property is owned by three patents two of whom are sons of Mr. C. Ted Phillips, a partner in the ~~present~~ applicant-company. ~~The lease~~ A copy of the lease agreement ~~is one~~ accompanies the application.

5. Loan Requested
   $ 5,000

6. Description of Project
   A. General Features
      1. There are no mine workings, mill or other appurtenances which are not confined within applicants' ownership.
      2. The project would comply with State-compensation and safety-first statutes.
      3. There are no apparent legal discrepancies in the project.
      4. There are no impeded right-of way facilities.
      5. There is no likelihood of surface or sub-surface trespass

   B. Existing Development
      1. Mine is opened by tunnel.
         a. The accompanying sketch was made from tape and compass survey

b. Samples were cut with pick and mail and gathered on canvas

c. The workings were readily accessible and in good condition

d. General features of Deposit

~~The mine is located on the~~ a steep canyon wall of the Gila River and the topography of the region is extremely

The ~~topography~~ of the region is extremely rugged and the mine is located on a steep canyon wall of the Gila River. The vein occurs as a ~~fissure~~ this in diabase and it can be traced by its iron stained croppings for a considerable distance up the steep mountain slope. ~~It~~

The property has not shipped any ore and the only work which has been done upon it consists of a tunnel driven on the vein in a westerly ~~east west~~ direction into the wall of the canyon. ~~The accompanying sketch tunnel~~ The vein in the tunnel varies from a mere seam to a maximum width of 6"or7". The principal ore mineral is sphalerite which is accompanied by pyrite and small amounts of ~~of pyrite~~ chalcopyrite and galena. The ~~vein~~ shows no mineralization at the portal and is mineralized in this

~~is mineralized irregularly irregular lenses thruout the length of the tunnel. Near the portal the vein is oxidized at 20 ft sulphides begin~~

The mineralization is irregular ~~and~~ at the the portal ~~of the tunnel is oxid~~ and for 30 feet into the tunnel is completely oxidized. ~~At~~ At 40 feet from the portal ~~the sulphides predominate~~. a 1" width of sphalerite is present and from this point to the face the occasional mineralization is predominantly sulphide. The vein (in the face) of the tunnel is ~~about~~ 7" wide and contains a few thin seams of pyrite and sphalerite ~~(Sample No 2)~~ ~~with low value~~ and values as represented by Sample No 2 ~~are~~ poor ~~with the~~. ~~Sample~~

Sample No 3 was cut across the best part of a lens of sphalerite in the back of the tunnel. The lens is some about 8 feet long and varies from 2 to 5 inches in width.

~~Sample 1~~

Sample No 1 was cut across a lens of sphalerite which is exposed in ~~a~~ a cut two feet deep and about 6 feet long in the floor of the tunnel. The vein directly above this point contains no mineralization and the lens represented by the sample is not over 8 feet long in the floor.

~~There was no other showing in tunnel which deserved sampling.~~

Sample No 4 was taken by shovel

~~sel~~ small select pile of mixed oxidized and sulphide material from a ~~dump~~ at the portal of the tunnel. ~~The dump [illegible] sample represented several tons of mixed sulphide and oxidized material~~. The balance of the dump is waste.

There were no other showings on the property which ~~deserved~~ warranted sampling.

~~Proposed Development.~~
~~The applicant~~

Comments of Supervising Engineer

~~The vein is narrow and while it contains [illegible]~~

~~The vein is quite small and the ore minerals occur in short [illegible]~~ lenses.

The ore minerals occur in short and thin lenses ~~the extent of which. The~~ which are not particularly high grade, and are altogether too small and irregular to be practically mined. There ~~is~~ is no ~~evidence~~ evidence on the surface or in the tunnel which would justify the belief that further development would result in the production of substantial amounts of ~~strategic~~ metals. A development loan is not recommended.

T. [signature]

Trelly

Re West End Mining Co
Docket No. ND 8353

I am enclosing herewith my Sup Eng report under the above-captioned docket.

Y.V.T.
[illegible]

Encl
Sup Eng Report
Application w/ supporting data
Sketch
Assay Cert.

No. 146 La.

Phoenix, Arizona,
JUNE 14 1943.

CHAS. A. DIEHL

ARIZONA ASSAY OFFICE

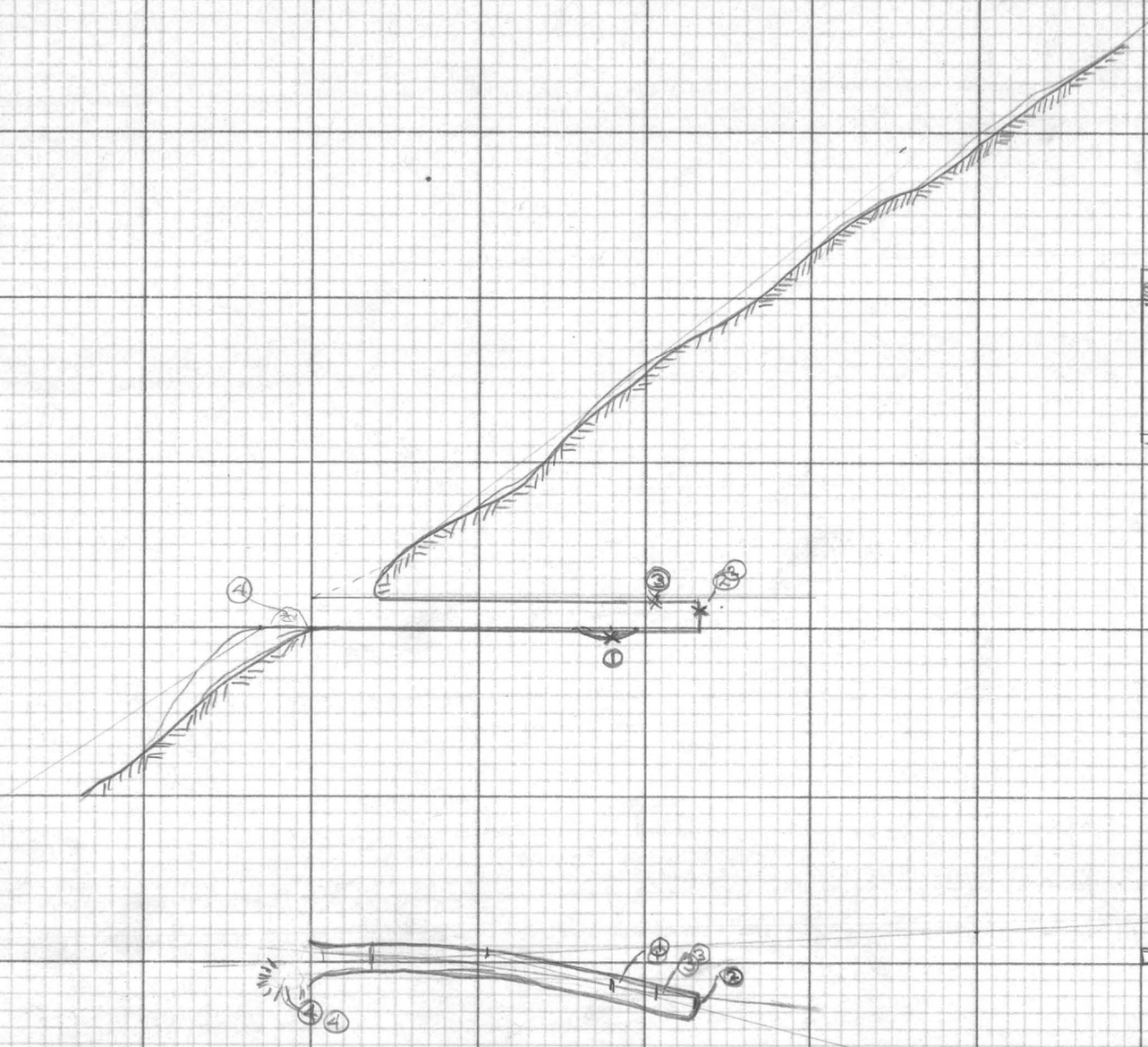
Phone 3-4001 — 815 North First Street — P. O. Box 1148

This Certifies That samples submitted for assay by Mr. T. P. LANE. contain as follows per ton of 2000 lbs. Avoir.

MARK		SILVER Ounces	SILVER Tenths	VALUE (Oz.)	GOLD Ounces	GOLD Hundths	VALUE (Oz.)	TOTAL VALUE Of Gold and Silver	PERCENTAGE Copper	PERCENTAGE Lead	PERCENTAGE ZINC	REMARKS
PHILLIPS WEST END.												
No.1.	6"	2.	6			.02	$ .70		TRACE	.41	27.40	
No.2.	7"		.2			.03	$ 1.05		1.21	.40	2.91	
No.4.	DUMP	1.	4			.01	$ .35		1.15	.22	13.82	
No.3.	5"		.5			.03	$ 1.05		0.47	.43	14.45	

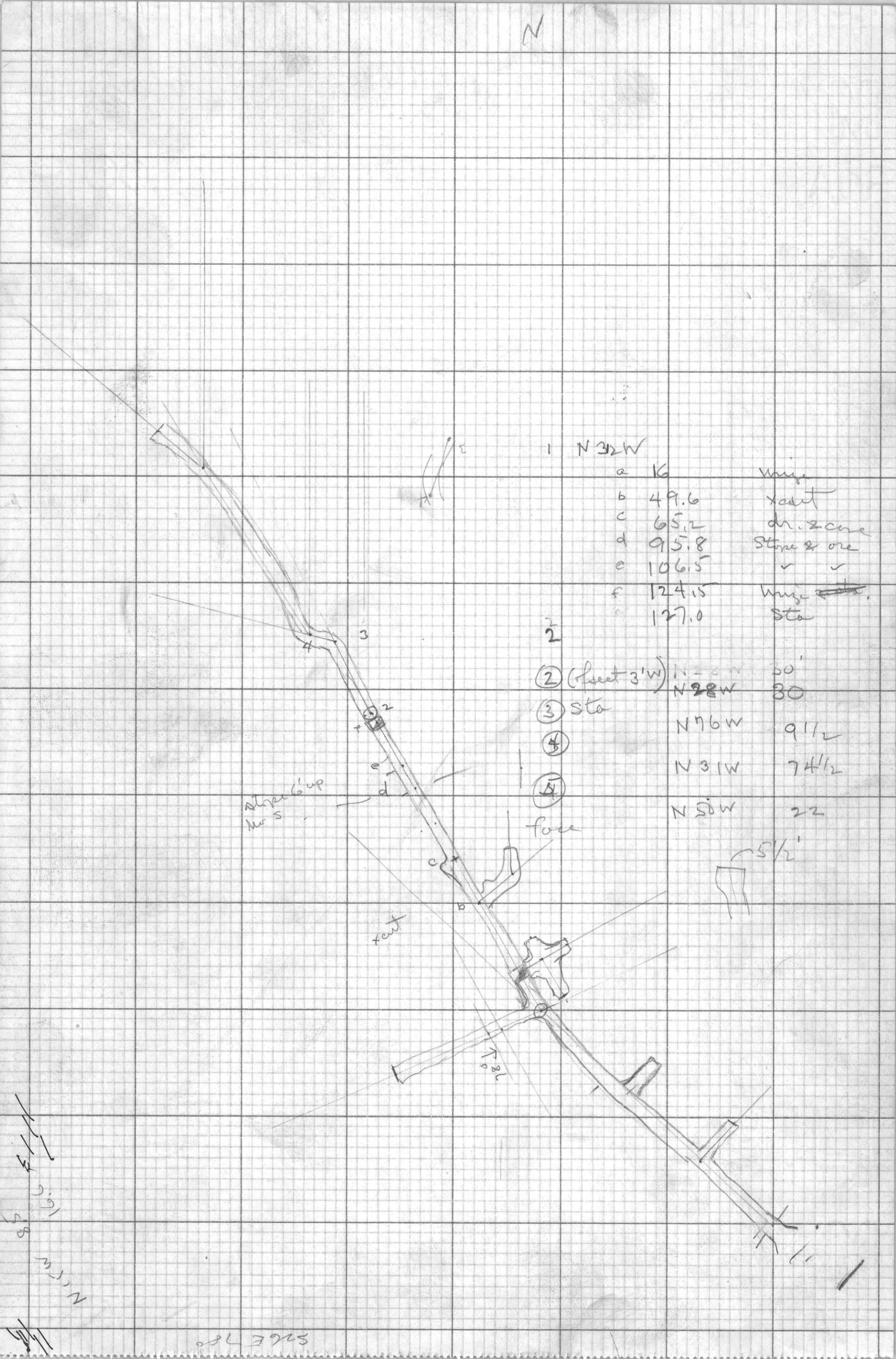
Charges $ 18.00

Assayer ARIZONA ASSAY OFFICE.



Sample	Width	OzAu	OzAg	%Cu	%Pb	%Zn
No.1	6"	.02	2.6	Tr.	.41	27.40
2	7"	.03	.2	1.21	.40	2.91
3	5"	.03	.5	.47	.43	14.45
4	Dump	.01	1.4	1.15	.22	13.82

DOCKET NO. ND-8353
West End Mining Co.
Scale: 1" = 40'
June 12, 1943
Samples: ①
Vein:


N
1 N32W
a 16 Hwy
b 49.6 xcut
c 65.2 dr. & ore
d 95.8 Stope & ore
e 106.5 ✓ ✓
f 124.15 Hwy
127.0 Sta
2
② (Offset 3'W) N28W 30
③ Sta N76W 9½
④ N31W 74½
⑤ N50W 22
face
5½'
xcut
Stope 6' up Mr 5
S26E 78°